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21. (New) The process according to claim 4, wherein the skin has a thickness of 50 to 300 μm .

SUPPORT FOR THE AMENDMENT

The amendments to Claims 1-18 are supported by the claims as originally filed. New Claim 19 is supported by Claim 7 as originally filed. New Claim 20 is supported by Claim 12 as originally filed. New Claim 28 is supported by Claim 4 as originally filed. No new matter is believed to be added by entry of these amendments. Claims 1-21 are active.

REMARKS

Applicants would like to thank Examiners Kelly and Ferguson for the helpful and courteous interview with Applicants' representative on October 10, 2002. During the discussion, Applicants' representative pointed out that neither Raymond nor Endoh describe the skin layer of Claim 3, which comprises a film of plastic material and a scratch-resistant layer.

The rejections of the claims under 35 U.S.C. § 102(b), 102(e) and 103(a) over Endoh or Raymond are respectfully traversed. Neither Endoh nor Raymond describe a product comprising a sheet of plastic material which has a skin comprising a plastic film and a scratch-resistant layer.]

Endoh describes a window assembly, wherein the transparent plate member of the window may be a plastic plate (column 6, line 21). While the plastic plate of Endoh may be "hard-coated to improve scratch-resistance" (column 6, line 34), Endoh fails to describe a sheet of plastic material having a two-layered skin comprising both a plastic film and a

scratch-resistant layer, as in the present invention. Accordingly, Endoh neither anticipates nor suggests the claimed product.

Likewise, Raymond describes plastic automobile windows having abrasion resistant coatings (abstract). However, the abrasion resistant coating is prepared by dip-coating the plastic window into a polysiloxane hard coat. See, for example, column 11, lines 40-41. Thus, the plastic window of Raymond has a scratch-resistant coating composed of a single polysiloxane layer. In contrast, the product of the present invention comprises a plastic material having a skin comprising *two* layers, a plastic film and a scratch-resistant layer disposed thereon. Thus, the plastic window of Raymond has a different structure than the product of the present invention. Accordingly, Raymond fails to anticipate or suggest the claimed product.

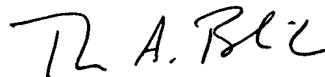
The rejection of the claims under 35 U.S.C. § 112, second paragraph, is obviated by appropriate amendment. The phrases deemed indefinite by the Examiner have been deleted.

For the reasons stated above, Applicants respectfully request withdrawal of the rejections.

Accordingly, Applicants respectfully submit that the claims are now in condition for allowance, and early notification thereof is earnestly solicited.

Respectfully submitted,

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IN THE CLAIMS

--1. (Amended) A ~~substantially flat~~ product comprising a sheet of plastic material, wherein the sheet ~~which~~ is transparent at least in part and on at least part of the exterior surface of ~~which comprises the sheet is disposed~~ an overmolded ~~addition of~~ plastic material, wherein the sheet comprises a plastic material core, and a skin disposed on at least one surface of the core and set back from the peripheral edges of the core, and the skin comprises at least one plastic film having a scratch-resistant layer disposed thereon.

2. (Amended) A product according to claim 1, ~~characterized in that~~ wherein at least part of the peripheral edge of the sheet is encapsulated by the overmolded ~~addition of~~ plastic material ~~is encapsulated at the periphery of the product.~~

3. (Amended) A product according to claim 2, ~~characterized in that~~ wherein it has a core of plastic material, a the skin ~~which comprises at least one film of plastic material supporting a scratch-resistant layer and is disposed on at least one face of the core, set back from the edges thereof, on the interior of the surface bounded by the encapsulated peripheral part of the overmolded~~ addition of plastic material.

4. (Amended) A product according to claim 3, ~~characterized in that~~ wherein the skin, ~~whose~~ has a thickness is at most equal to 500 μm , ~~preferably between 50 and 300 μm , and further~~ comprises one or more films of thermoformable plastic material, ~~between which there is interposed or on which there is deposited, depending on the case, and~~ at least one

functional layer, ~~at least one of these films also being able itself to comprise such a functional layer.~~

5. (Amended) A product according to claim 4, ~~characterized in that~~ wherein the said thermoformable plastic material is ~~chosen~~ selected from the group ~~comprising~~ consisting of polycarbonate, polypropylene, poly(methyl methacrylate), ethylene/vinyl acetate copolymer, poly(ethylene terephthalate), polyurethane, polyvinylbutyral, and cycloolefin copolymer.

6. (Twice Amended) A product according to claim 3, ~~characterized in that~~ wherein the skin further comprises ~~the~~ a hydrophobic/oleophobic ~~function~~ agent, which is incorporated into the scratch-resistant layer, ~~or is grafted onto~~ the scratch-resistant layer, or ~~even deposited on~~ covers this layer with interposition of a plastic support film which is applied directly to the scratch-resistant layer of the hydrophobic/oleophobic layer.

7. (Twice Amended) A product according to claim 3, ~~characterized in that~~ wherein the skin further comprises, over all or part of its surface, a decorative and/or masking layer; ~~preferably positioned directly under the support film of the scratch-resistant layer.~~

8. (Twice Amended) A product according to claim 3, ~~characterized in that~~ wherein the skin further comprises one or more optically selective layers.

9. (Twice Amended) A product according to claim 3, ~~characterized in that~~ wherein the skin further comprises a stack of antireflective layers.

10. (Twice Amended) A product according to claim 3, ~~characterized in that~~ wherein the skin further comprises an electrically conductive network.

11. (Twice Amended) A product according to claim 3, ~~characterized in that~~ wherein the core comprises a thermoplastic material ~~substance such as~~ selected from the group consisting of polycarbonate, poly(methyl methacrylate), ethylene/vinyl acetate copolymer, poly(ethylene terephthalate), polyurethane, cycloolefin copolymer, ~~or~~ and an ionomeric resin;

~~or a thermosetting or thermally cross-linking substance of the polyurethane, unsaturated polyester, or ethylene/vinyl acetate copolymer type;~~ or ~~even an association of a plurality of layers~~ thicknesses of any one or more of these thermoplastic or thermosetting or thermally cross-linking materials.

12. (Twice Amended) A product according to claim 2, ~~characterized in that wherein the encapsulated peripheral part of the overmolded~~ addition of plastic material comprises one or more elastomeric substances, ~~especially thermoplastics.~~

13. (Twice Amended) A process for ~~manufacture of a product according to~~ preparing the product of claim 1, comprising:

holding one or two skins, optionally thermoformed, at the bottom of a single mold,
then

injecting the injection of a first and then of at least a second plastic material into a the
single mold.

15. (Twice Amended) A process for ~~manufacture of a product according to~~ preparing the product of claim 1, comprising the injection of injecting a first plastic material into a first mold and then the transfer of transferring the resulting injection molded first plastic material product of this injection into a second mold, into which there is injected and then injecting a second plastic material into the second mold.

16. (Twice Amended) A process according to claim 13, wherein ~~one or two skins, possibly thermoformed beforehand, are held at the bottom of the mold by any appropriate means, especially said holding is carried out~~ by suction and/or blowing and/or electrostatic effect, ~~before injection of the said first plastic material.~~

17. (Twice Amended) A process according to claim 13, further comprising an initial operation of formation of initially forming an electrically conductive network by metal screen printing.

18. (Twice Amended) ~~The application of the product according to claim 1, as A~~
glazing for transportation vehicles or for buildings comprising the product of claim 1.—

19-21 (New).--